Functional · FRS Series White 5000K

lumher

24 V DC

155 lm/W

NOT CASCADABLE

75 mm
INCREMENTAL

FUNCTIONAL

TACTILE

PIR

SWITCH

POWER 1x
ECO 0,5x

IP40

PWM
DIMABLE

CABLE
M12A

CLASS III

36 MONTHS

EU
MADE IN SPAIN

Technical specifications

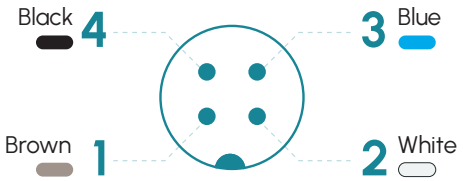
Power supply voltage	24 Vdc ±5%	
Luminous efficiency	155 lm/W	
Motion sensor disconnection delay (PIR)	5 min.	
Wavelength	Daylight white	5000K
Beam angle	Semidiffuse Ultradiffuse	60° 110°
Max. number of cascadable modules	This luminaire is not cascadable	
Electrical protections	Transient overvoltages Polarity reversal Current sabilizer	YES YES YES
Colour Rendering Index (CRI)	≥ 80	
IP Rating	IP40	
Protection type	Class III	
Operating temperature	POWER version ECO version	-10°C to +40°C -10°C to +50°C
Storage temperature	0°C a +60°C	
Max. relative humidity	80% (without condensation)	
Body material	Anodized aluminum	
Side cover material	Anodized aluminum	
Diffuser material	Polycarbonate	
Connection types	M12A, 2m cable, M12A connector with cable	
Standards	RoHs, CE	

Connection

Input M12A - Cable	Power	Eco	Dual
Pin 1 - Brown	+24 Vdc	+24 Vdc	+24 Vdc
Pin 2 - White	Not connected	Not connected	24 Vdc = Power 0 Vdc = Eco
Pin 3 - Blue	0 Vdc	0 Vdc	0 Vdc
Pin 4 - Black (1)	24 Vdc = Power on 0 Vdc = Switched on by motion sensor or touch sensor		

(1) Pin 4 is not connected in the switch version

M12A Male



Fixings

F00G2, F00G4, F00R1, M6D16

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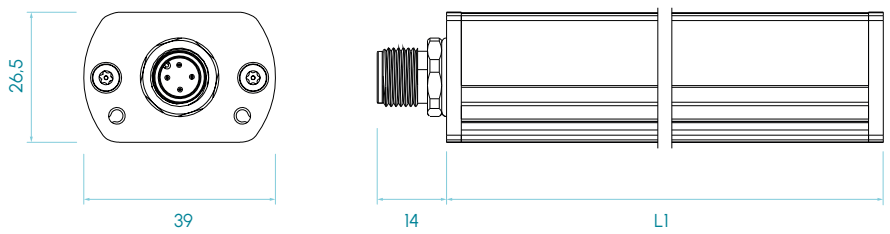
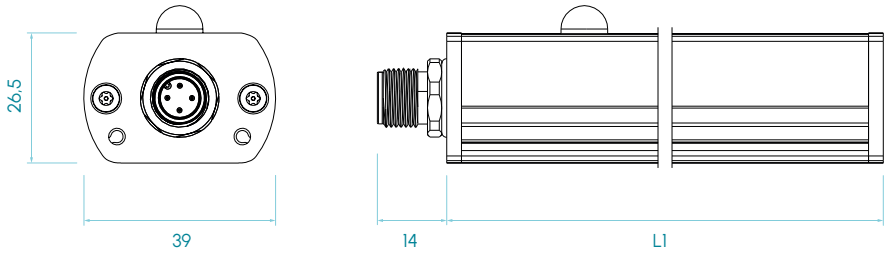
Measures

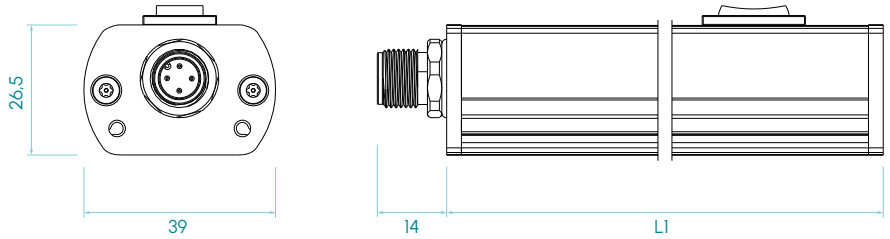
Tactile sensor + M12A axial input



Motion sensor + M12A axial input



Switch + M12A radial input



Measures in mm

Selection guide

FRS D 3

Input
- K - Axial cable, 2 m
- Y - M12A axial male connector
- PY - 10 cm axial cable with M12A male connector

Diffuser
- C - Semidiffuse
- U - Ultradiffuse

Working mode
- A - Power + movement sensor
- B - Eco + movement sensor
- C - Dual + movement sensor
- F - Power + touch sensor
- G - Eco + touch sensor
- H - Dual + touch sensor
- J - Power + switch
- K - Eco + switch
- M - Dual + switch

Length
- 1 - 18 - 75 mm steps

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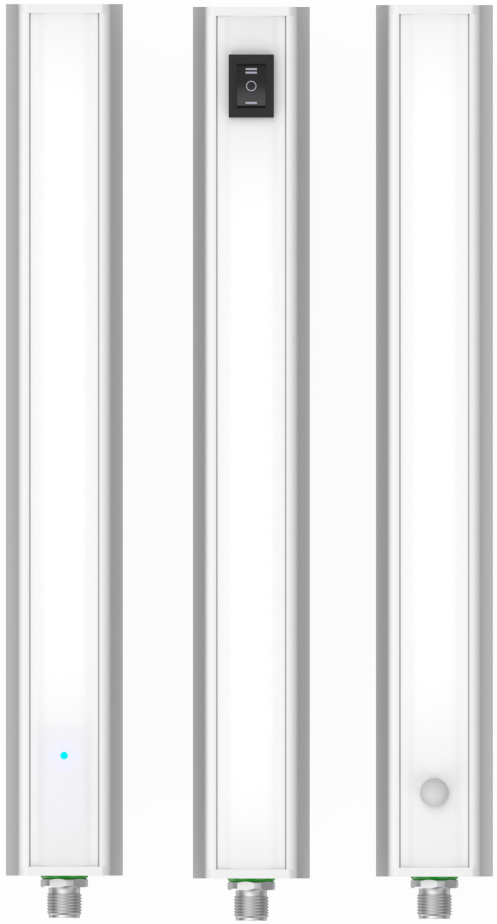
FRS Series · Daylight White 5000K



5000K
DAYLIGHT WHITE

SEMIDIFFUSE 60°

ULTRADIFFUSE 110°

PHOTOBIOLOGICAL RISK
RG1 - LOW

60.000h
LIFESPAN

Table of characteristics

	Length L1 (mm)	Weight (g)	Illuminance Ev (lx) @ 1 m				Luminous flux (1) (lm)		Power consumed (W)	
			SEMIDIFFUSE		ULTRADIFFUSE					
			POWER	ECO	POWER	ECO	POWER	ECO	POWER	ECO
FRS 01...	140	240	88	50	53	30	372	186	2,4	1,2
FRS 02...	215	280	176	100	105	60	744	372	4,8	2,4
FRS 03...	290	320	264	150	158	89	1.116	558	7,2	3,6
FRS 04...	365	360	352	200	210	119	1.488	744	9,6	4,8
FRS 05...	440	400	440	250	263	149	1.860	930	12,0	6,0
FRS 06...	515	440	528	300	315	179	2.232	1.116	14,4	7,2
FRS 07...	590	480	616	350	368	209	2.604	1.302	16,8	8,4
FRS 08...	665	520	705	400	421	238	2.976	1.488	19,2	9,6
FRS 09...	740	560	793	450	473	268	3.348	1.674	21,6	10,8
FRS 10...	815	600	881	500	526	298	3.720	1.860	24,0	12,0
FRS 11...	890	640	969	550	578	328	4.092	2.046	26,4	13,2
FRS 12...	965	680	1.057	600	631	358	4.464	2.232	28,8	14,4
FRS 13...	1.040	720	1.145	650	684	387	4.836	2.418	31,2	15,6
FRS 14...	1.115	760	1.233	699	736	417	5.208	2.604	33,6	16,8
FRS 15...	1.190	800	1.321	749	789	447	5.580	2.790	36,0	18,0
FRS 16...	1.265	840	1.409	799	841	477	5.952	2.976	38,4	19,2
FRS 17...	1.340	880	1.497	849	894	507	6.324	3.162	40,8	20,4
FRS 18...	1.415	920	1.585	899	946	536	6.696	3.348	43,2	21,6

(1) The luminous flux (lm) is before the diffuser

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